



Atty. Dkt. No. 050939-0104

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Peter O'Hanley et al.  
Title: IMMUNOGENIC PILI PRESENTING  
FOREIGN PEPTIDES, THEIR  
PRODUCTION AND USE  
Appl. No.: 09/833,079  
Filing Date: 04/12/2001  
Examiner: Unassigned  
Art Unit: 1642

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**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR §1.56**

Commissioner for Patents  
Box PATENT APPLICATION  
Washington, D.C. 20231

Sir:

Submitted herewith on Form PTO/SB/08 is a listing of documents known to Applicants in order to comply with Applicants' duty of disclosure pursuant to 37 CFR §1.56. A copy of each listed document is being submitted to comply with the provisions of 37 CFR §1.97 and §1.98.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

**TIMING OF THE DISCLOSURE**

The listed documents are being submitted in compliance with 37 CFR §1.97(b), before the mailing date of the first Office Action on the merits, and within three (3) months of the mailing date of the foreign search report.

**RELEVANCE OF EACH DOCUMENT**

Any document listed on the attached PTO/SB/08 was cited as being relevant during the prosecution of the corresponding International application. A copy of the International Search Report is attached setting forth the portion of each document considered relevant by the examiner.

Applicants respectfully request that any listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

Respectfully submitted,

Date: March 20, 2002

FOLEY & LARDNER  
Customer Number: 22428



22428

PATENT TRADEMARK OFFICE

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Attorney for Applicant  
Registration No. 35,264

Reg. No.  
38,819

95,000 persons are requiring

**Complete if Known**

Application Number	09/833,079
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<b>Filing Date</b>	04/12/2001
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<b>First Named Inventor</b>	Peter O'Hanley
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(use as many sheets as necessary)

Group Art Unit	1642
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Examiner Name	Unassigned
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Attorney Docket Number	050939-0104
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Examiner Signature	<i>Vanessa Had</i>	Date Considered	<i>10/20/02</i>
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

Standard ST. 10: For Japanese patent documents, the indication of the year of the reign of the Emperor that precedes the serial number of the patent document.  
 5Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6Applicant is to place a check mark here if English language Translation is attached.

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MAR 20 2002

PTO/SB/08 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449B/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

Date Submitted: March 20, 2002

(use as many sheets as necessary)

**Complete if Known**

Application Number 09/833,079

Filing Date 04/12/2001

First Named Inventor Peter O'Hanley

Group Art Unit 1642

Examiner Name Unassigned

Attorney Docket Number 050939-0104

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Sheet 2 of 2

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>
MA	A3	M. BAGA et al., "Biogenesis of E. coli Pap Pili: PapH, a Minor Pilin Subunit Involved in Cell Anchoring and Length Modulation," <i>Cell</i> April 24, 1987, 49:241-252, Cell Press (XP-002183578).	
	A4 ✓	K DENICH et al., "DNA Sequences of Three papA Genes from Uropathogenic <i>Escherichia coli</i> Strains: Evidence of Structural and Serological Conservation," <i>Infection and Immunity</i> Nov. 1991, 59(11):3849-3858 (XP-002183579).	
	A5 ✓	BRIAN PECHA et al., "Gal-Gal Pili Vaccines Prevent Pyelonephritis by Piliated <i>Escherichia coli</i> in a Murine Model," <i>Journal of Clinical Investigation</i> June 1989 83(6):2102-2108, New York, NY (XP-001041491).	
	A6 ✓	LOTHAR STEIDLER et al., "Pap Pili as a Vector System for Surface Exposition of an Immunoglobulin G-Binding Domain of Protein A of <i>Staphylococcus aureus</i> in <i>Escherichia coli</i> ," <i>Journal of Bacteriology</i> , Dec. 1993 175(23):7639-7643, American Society for Microbiology (XP-000612669).	

Examiner Signature

*Adriana Ford*

Date Considered

10/20/02

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